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(54) Title: MODULATION OF EPIDERMAL GROWTH FACTOR HETERODIMER ACTIVITY

A

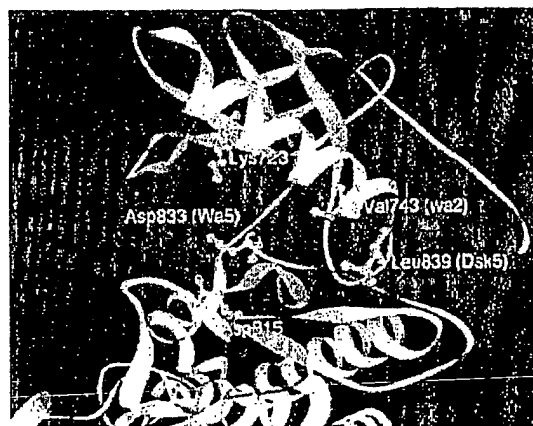
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+  AAG ATC ACA GAT TTT GGG CTG
W55 AAG ATC ACA GGT TTT GGG CTG
      K   I   T   F   G   L
      (833)

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EGFR	K	I	T	D	F	G	L	A	K	L	L
FGFR1	K	I	A	D	F	G	L	A	R	D	I
SRC	K	V	A	D	F	G	L	A	R	L	I
LIMK1	V	V	A	D	F	G	L	A	R	L	M
MEK1	K	L	C	D	F	G	V	S	G	Q	L
PKA	Q	V	T	D	F	G	F	A	K	R	V
CDK1	K	L	A	D	F	G	L	A	R	A	F
CCK4	K	V	S	A	L	G	L	S	K	D	V
RYK	K	I	T	D	N	A	L	S	R	D	L

B



(57) Abstract: Provided is a method for screening a plurality of compounds for an ability to bind to a heterodimer of EGFR and another ERBB family member. Also provided are compounds that bind to heterodimers of EGFR and another ERBB family member, and methods of using the identified compounds to suppress the growth of a tumor associated with EGFR heterodimer activity in a subject.

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